

WHAT IS CLAIMED IS:

1. An information processing apparatus for
executing a printing process, comprising:

input means for inputting an arbitrary first
5 output paper size included in a predetermined second
output paper size; and

layout means for arranging a plurality of pages of
said first output paper size to one page of said second
output paper size.

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2. An apparatus according to claim 1, wherein said
layout means arranges the plurality of pages of said
first output paper size to each of duplex pages of said
second output paper size.

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3. An apparatus according to claim 1, wherein said
layout means adds a frame line to the page of said
second output paper size to be arranged.

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4. An apparatus according to claim 1, wherein said
first output paper size is a paper size of print target
data in a logical page which is inputted from an
application, and said second output paper size is a
paper size of a recording paper in a physical page
25 which is printed and outputted.

5. An apparatus according to claim 1, wherein said

first output paper size is a user-defined paper size and said second output paper size is a regular type paper size.

5 6. An apparatus according to claim 1, wherein said layout means arranges the plurality of pages of said first output paper size to one page of said second output paper size without reducing said plurality of pages.

10 7. An apparatus according to claim 1, further comprising second layout means for zooming print target data of said first output paper size to said second output paper size, reducing N pages (N is equal to 2 or
15 more) of said zoomed print target data, and arranging the reduced print target data of N pages.

20 8. An apparatus according to claim 7, further comprising designating means for designating whether the layout in said second layout means is executed or the layout in said layout means is executed.

25 9. An information processing apparatus for controlling a printing operation in a printer which can perform a duplex printing, comprising:

first input means for inputting an arbitrary first output paper size;

second input means for inputting a second output paper size including said first output paper size; and

layout means for arranging said first output paper sizes of a plurality of pages to a paper of said second output paper size on the basis of said first output paper size and said second output paper size.

10. An apparatus according to claim 9, wherein said layout means adds a frame line to an obverse and a reverse of the paper of said second output paper size.

11. An apparatus according to claim 9, wherein said first output paper size is a paper size of print target data in a logical page which is inputted from an application, and said second output paper size is a paper size of a recording paper in a physical page which is printed and outputted.

12. An apparatus according to claim 9, wherein said first output paper size is a user-defined paper size and said second output paper size is a regular type paper size.

13. An apparatus according to claim 9, wherein said layout means arranges the plurality of pages of said first output paper size to one page of said second output paper size without reducing said plurality of

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pages.

14. An apparatus according to claim 9, further comprising second layout means for zooming print target data of said first output paper size to said second output paper size, reducing N pages (N is equal to 2 or more) of said zoomed print target data, and arranging the reduced print target data of N pages.

15. An apparatus according to claim 14, further comprising designating means for designating whether the layout in said second layout means is executed or the layout in said layout means is executed.

16. An apparatus according to claim 15, further comprising:

second designating means for performing the addition of the frame line in said layout means only to the reverse of the paper of said second output paper size,

and wherein said layout means adds the frame line only to the reverse of the paper of said second output paper size in accordance with designation of said second designating means.

17. A print processing method of executing a printing process by a printer, comprising:

an input step of inputting an arbitrary first output paper size included in a second output paper size which can be coped with by said printer; and

5 a layout step of arranging a plurality of pages of said first output paper size to one page of said second output paper size.

10 18. A method according to claim 17, wherein said layout step includes a step of arranging the plurality of pages of said first output paper size to each of duplex pages of said second output paper size.

15 19. A method according to claim 17, wherein said layout step includes a step of adding a frame line to the page of said second output paper size to be arranged.

20 20. A print processing method of controlling a printing operation in a printer which can perform a duplex printing in a system including an information processing apparatus connected to said printer, comprising:

25 a first input step of inputting a first output paper size which is desired by the user in said information processing apparatus;

a second input step of inputting a second output paper size including said first output paper size in

said information processing apparatus; and

a layout step of arranging said first output paper sizes of a plurality of pages to a paper of said second output paper size on the basis of said first output
5 paper size inputted by said first input step and said second output paper size inputted by said second input step.

21. A method according to claim 20, wherein said
10 layout step includes a step of adding a frame line to an obverse and a reverse of the paper of said second output paper size.

22. A method according to claim 21, further
15 comprising:

a designating step of performing the addition of the frame line in said layout step only to the reverse of the paper of said second output paper size,

and wherein in said layout step, the frame line is
20 added only to the reverse of the paper of said second output paper size in accordance with designation in said second designating step.

23. A computer program which is executed by a
25 computer in order to execute a printing process by a printer, comprising:

an input step of inputting an arbitrary first

output paper size included in a second output paper size which can be coped with by said printer; and

a layout step of arranging a plurality of pages of said first output paper size to one page of said second output paper size.

24. A program according to claim 23, wherein said layout step includes a step of arranging the plurality of pages of said first output paper size to each of duplex pages of said second output paper size.

25. A program according to claim 23, wherein said layout step includes a step of adding a frame line to the page of said second output paper size to be arranged.

26. A computer program which is executed by a computer for controlling a printing operation in a printer which can perform a duplex printing, comprising:

a first input step of inputting a first output paper size which is desired by the user in said information processing apparatus;

a second input step of inputting a second output paper size including said first output paper size in said information processing apparatus; and

a layout step of arranging said first output paper

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sizes of a plurality of pages to a paper of said second
output paper size on the basis of said first output
paper size inputted by said first input step and said
second output paper size inputted by said second input
5 step.

27. A program according to claim 26, wherein said
layout step includes a step of adding a frame line to
an obverse and a reverse of the paper of said second
10 output paper size.

28. A program according to claim 27, further
comprising:

15 a designating step of performing the addition of
the frame line in said layout step only to the reverse
of the paper of said second output paper size,

and wherein in said layout step, the frame line is
added only to the reverse of the paper of said second
output paper size in accordance with designation in
20 said second designating step.

29. A computer-readable memory medium which stores
a computer program according to claim 23.

25 30. A computer-readable memory medium which stores
a computer program according to claim 26.

31. An information processing apparatus for controlling a printing operation in a printer which can perform a duplex printing, comprising:

5 first input means for inputting an arbitrary first output paper size;

second input means for inputting a second output paper size including said first output paper size;

10 layout means for arranging said first output paper sizes of a plurality of pages to a paper of said second output paper size on the basis of said first output paper size and said second output paper size; and

15 control means for drawing a frame line corresponding to each page of said first output paper size onto a reverse of a paper on which data arranged by said layout means is drawn.

32. A print processing method of controlling a printing operation in a printer which can perform a duplex printing in a system including an information
20 processing apparatus connected to said printer, comprising:

a first input step of inputting an arbitrary first output paper size;

25 a second input step of inputting a second output paper size including said first output paper size;

a layout step of arranging said first output paper sizes of a plurality of pages to a paper of said second

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output paper size on the basis of said first output
paper size and said second output paper size; and

a control step of drawing a frame line
corresponding to each page of said first output paper
size onto a reverse of a paper on which data arranged
by said layout step is drawn.

33. A computer program which is executed by a
computer for controlling a printing operation in a
printer which can perform a duplex printing,
comprising:

a first input step of inputting an arbitrary first
output paper size;

a second input step of inputting a second output
paper size including said first output paper size;

a layout step of arranging said first output paper
sizes of a plurality of pages to a paper of said second
output paper size on the basis of said first output
paper size and said second output paper size; and

a control step of drawing a frame line
corresponding to each page of said first output paper
size onto a reverse of a paper on which data arranged
by said layout step is drawn.

34. A computer-readable memory medium which stores
a computer program according to claim 33.